

## THE MAY 2003 EXTENDED TORNADO OUTBREAK: DAILY MAPS

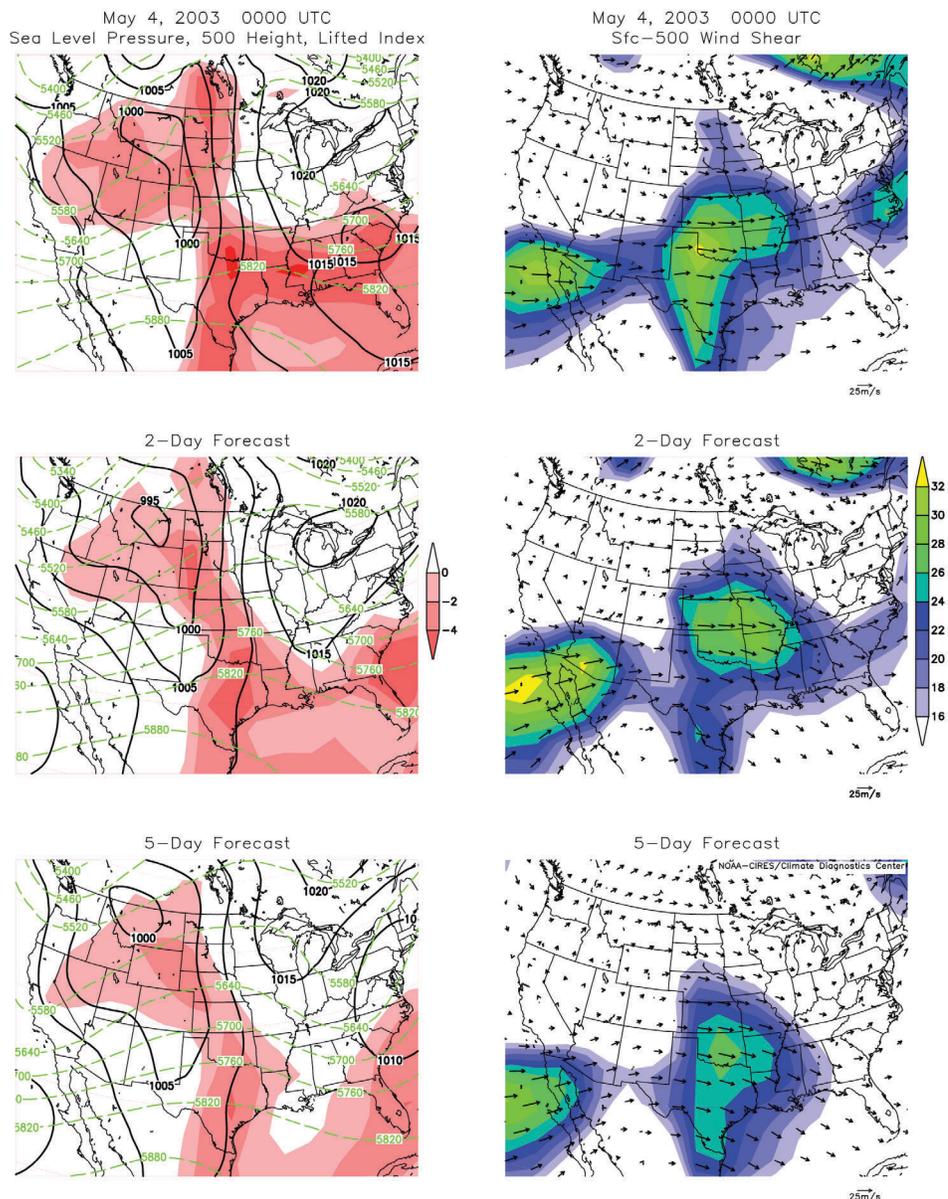
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DANIEL MELÉNDEZ, AND RANDALL M. DOLE

This document is supplement A to "The May 2003 Extended Tornado Outbreak," by Thomas M. Hamill, Russell S. Schneider, Harold E. Brooks, Gregory S. Forbes, Howard B. Bluestein, Michael Steinberg, Daniel Meléndez, and Randall M. Dole (*Bull. Amer. Meteor. Soc.*, **86**, 531–542) • ©2005 American Meteorological Society • Corresponding author: Dr. Thomas M. Hamill, NOAA–CIRES, Climate Diagnostics Center, Boulder, CO 80305-3328 • E-mail: tom.hamill@noaa.gov • DOI:10.1175/BAMS-86-4-HamillA.

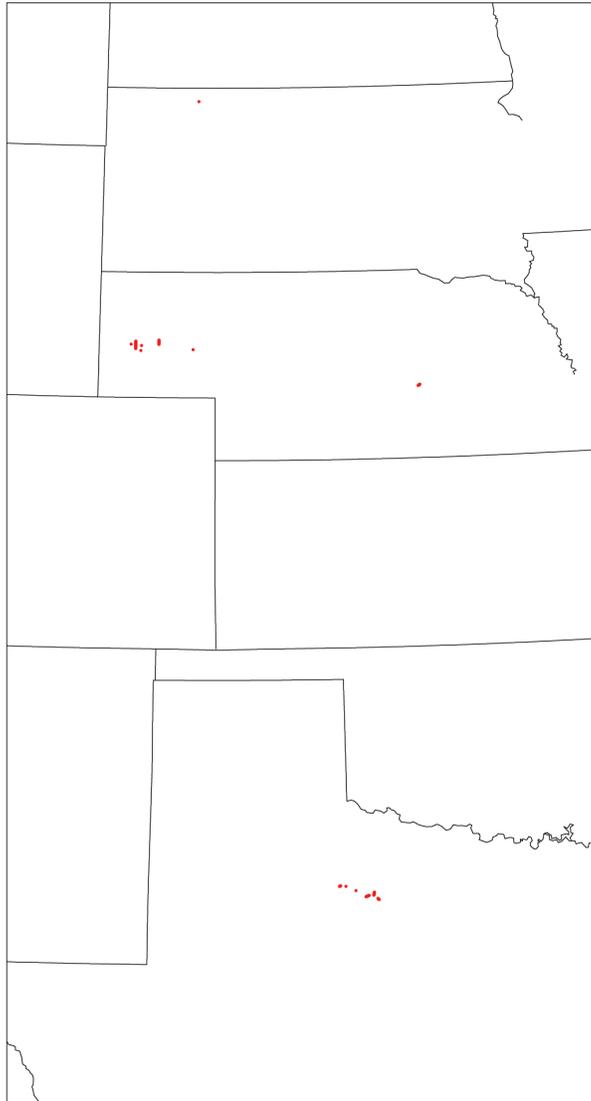
The following consists of a set of daily maps of sea level pressure (hPa), 500-hPa geopotential height (m), lifted indices (LI; °C), and surface to 500-hPa wind shear ( $\text{m s}^{-1}$ ). The top panels are the analyzed data, determined from the National Centers for Environmental Prediction (NCEP)–National Center for Atmospheric Research (NCAR) re-analyses. The middle panels are 2-day forecasts that are valid at the same time as the analysis data. The bottom panels are 5-day forecasts valid at the same time.

Also attached are tornado tracks on each day of interest.

**FIG. SAI.** Analyses, 2-day, and 5-day forecasts of sea level pressure, 500-hPa height, LI, and surface to 500-hPa wind shear valid on 0000 UTC 4 May 2003.

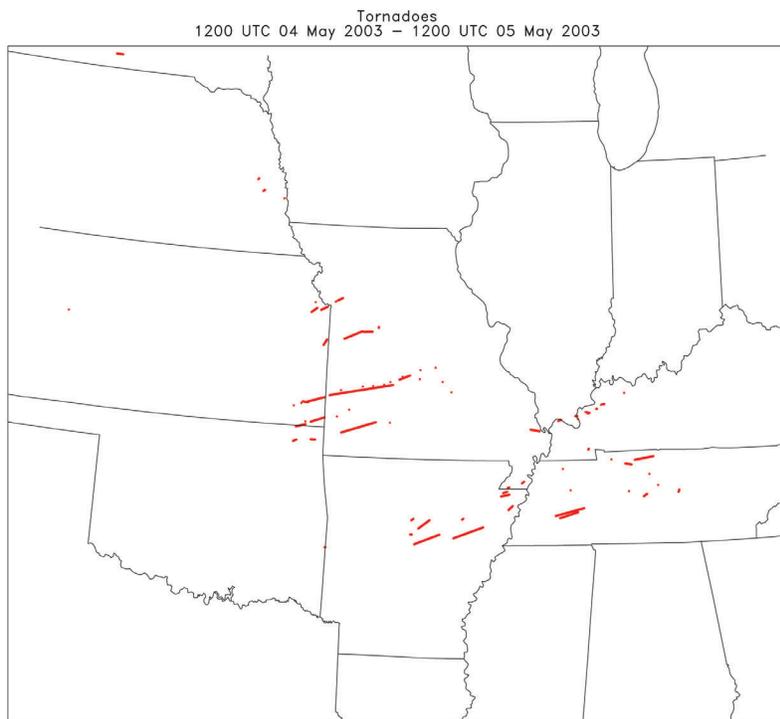


Tornadoes  
1200 UTC 03 May 2003 – 1200 UTC 04 May 2003



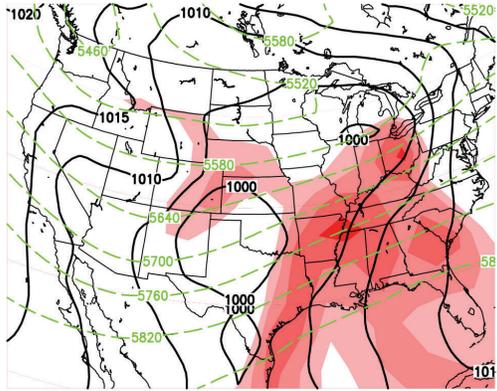
**FIG. SA2.** Tornado reports from 1200 UTC 3 May to 1200 UTC 4 May 2003.



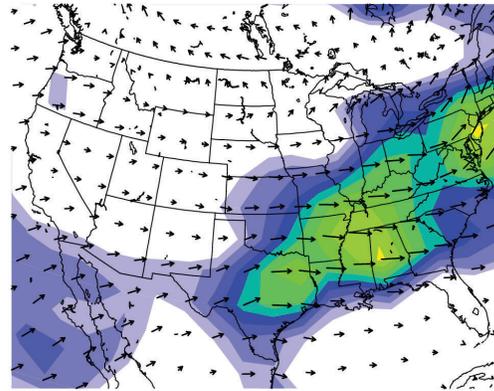


**FIG. SA4. Tornado reports from 1200 UTC 4 May 2003 to 1200 UTC 5 May 2003.**

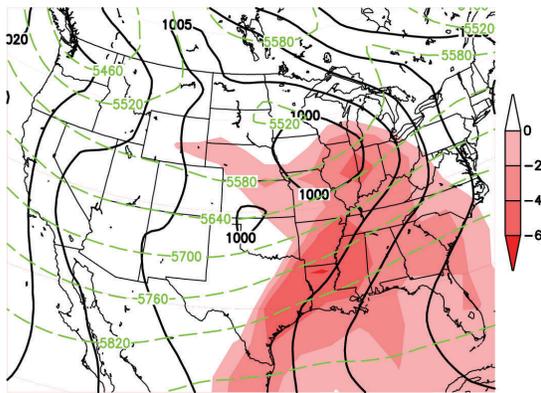
May 6, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



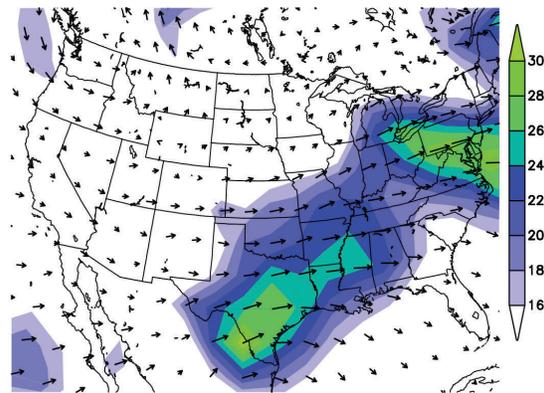
May 6, 2003 0000 UTC  
Sfc-500 Wind Shear



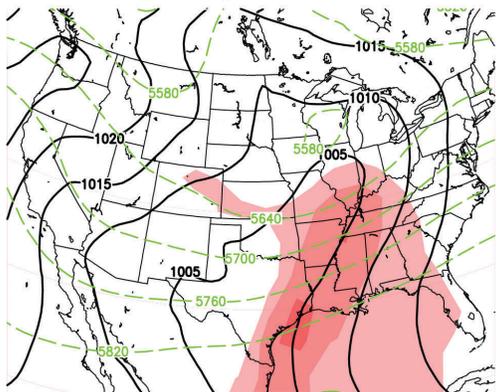
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

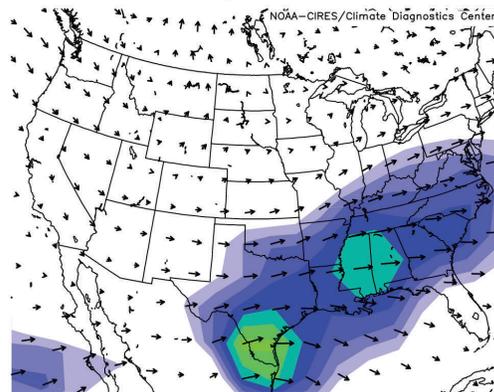
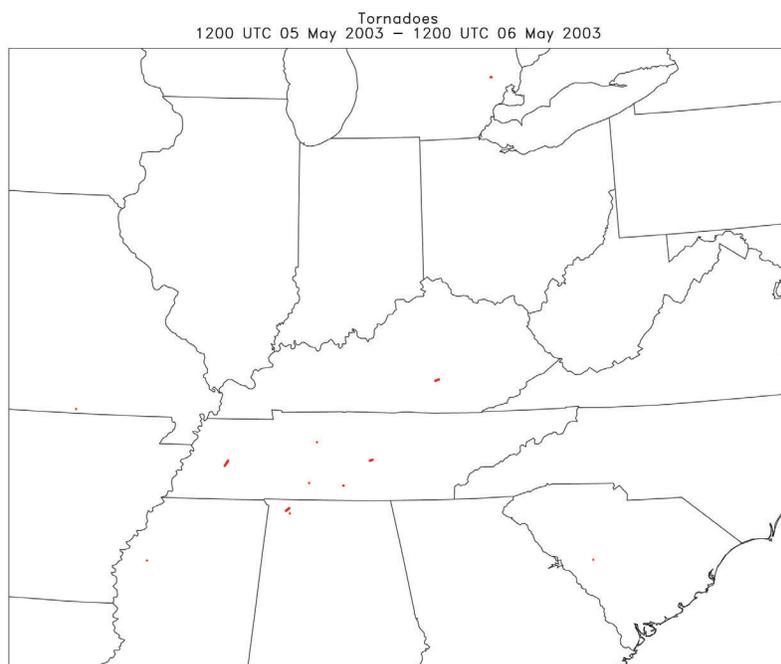
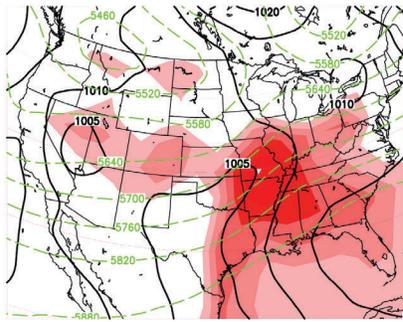


Fig. SA5. As in Fig. SAI, but for 0000 UTC 6 May 2003.

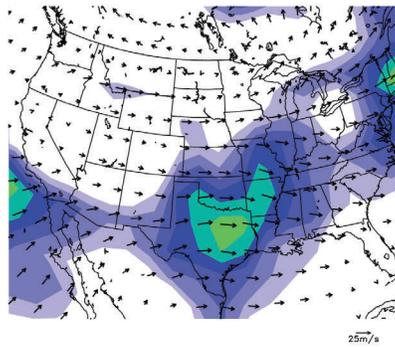


**FIG. SA6.** Tornado reports from 1200 UTC 5 May 2003 to 1200 UTC 6 May 2003.

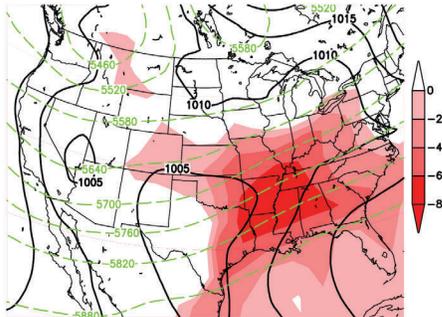
May 7, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



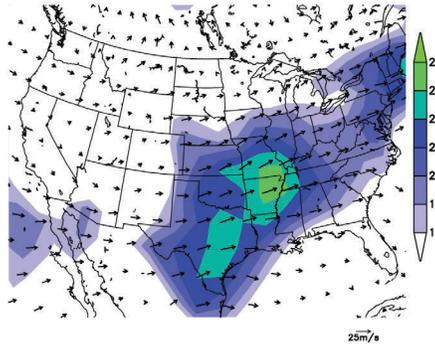
May 7, 2003 0000 UTC  
Sfc-500 Wind Shear



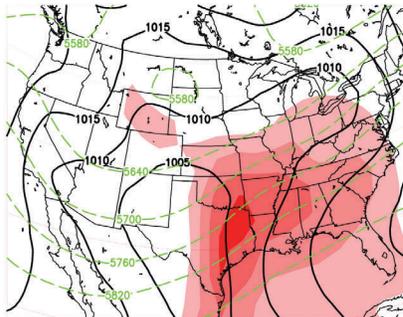
2-Day Forecast



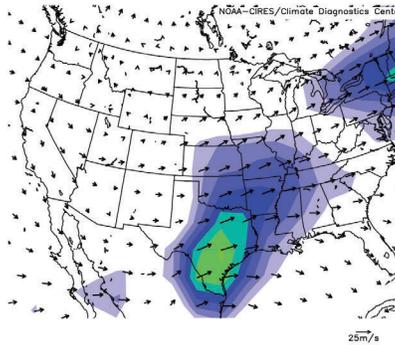
2-Day Forecast



5-Day Forecast

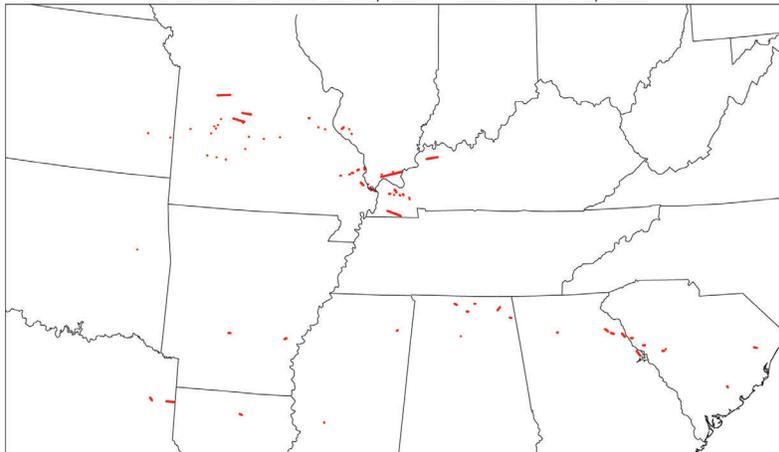


5-Day Forecast



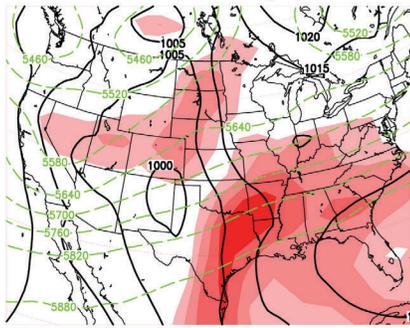
**FIG. SA7.** As in Fig. SA1, but for 0000 UTC 7 May 2003.

Tornadoes 1200 UTC 06 May 2003 – 1200 UTC 07 May 2003

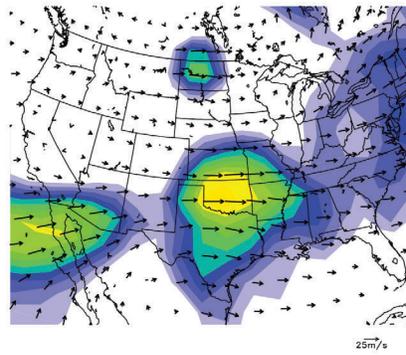


**FIG. SA8.** Tornado reports from 1200 UTC 6 May 2003 to 1200 UTC 7 May 2003.

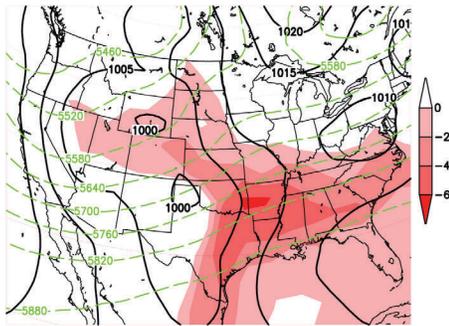
May 8, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



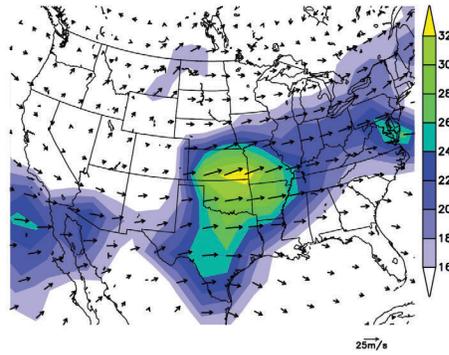
May 8, 2003 0000 UTC  
Sfc-500 Wind Shear



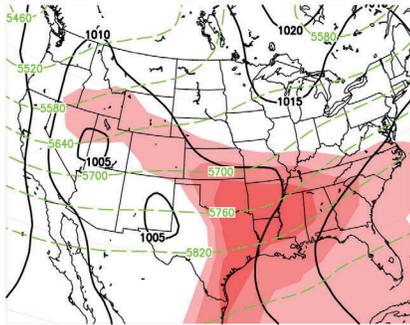
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

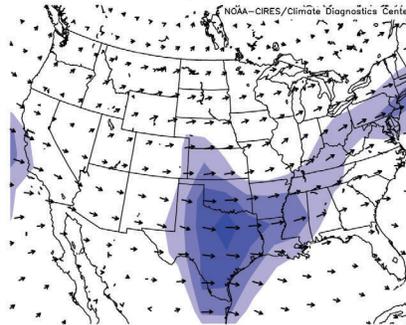


FIG. SA9. As in Fig. SAI, but for 0000 UTC 8 May 2003.

Tornadoes 1200 UTC 07 May 2003 – 1200 UTC 08 May 2003

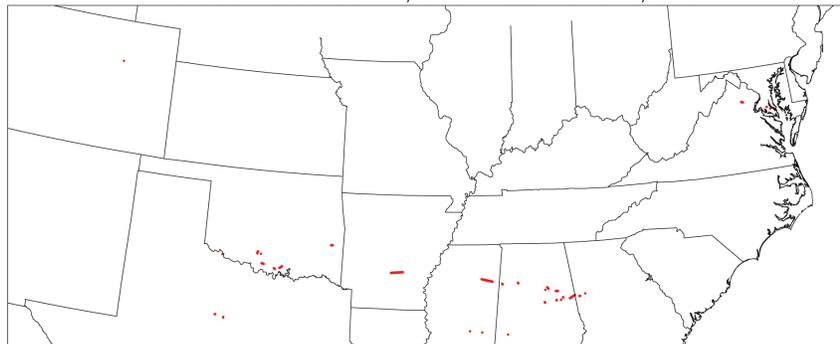
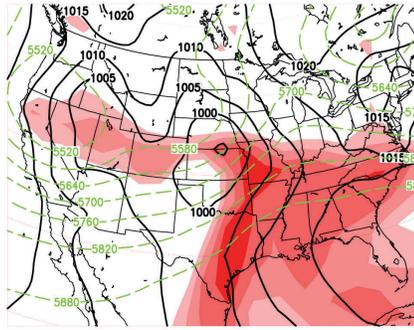
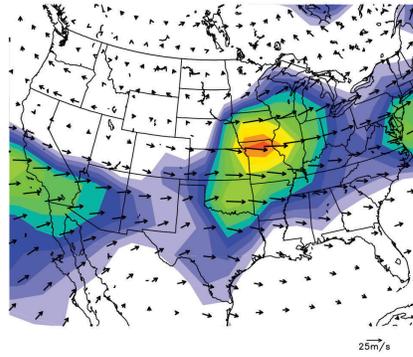


FIG. SA10. Tornado reports from 1200 UTC 7 May 2003 to 1200 UTC 8 May 2003.

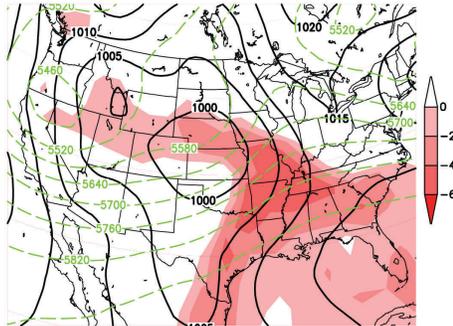
May 9, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



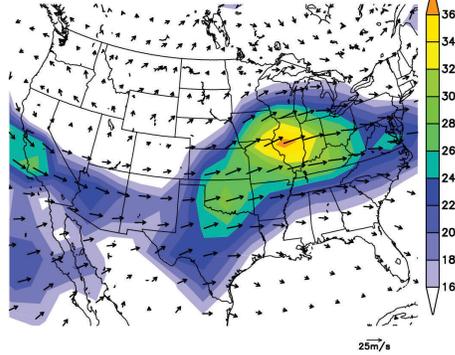
May 9, 2003 0000 UTC  
Sfc-500 Wind Shear



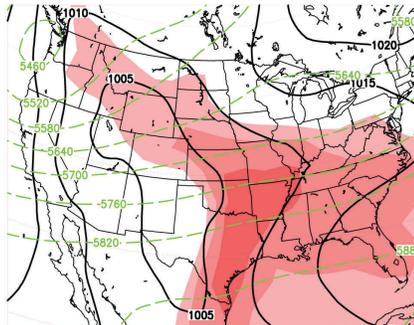
2-Day Forecast



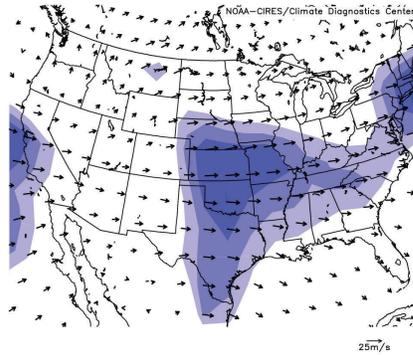
2-Day Forecast



5-Day Forecast

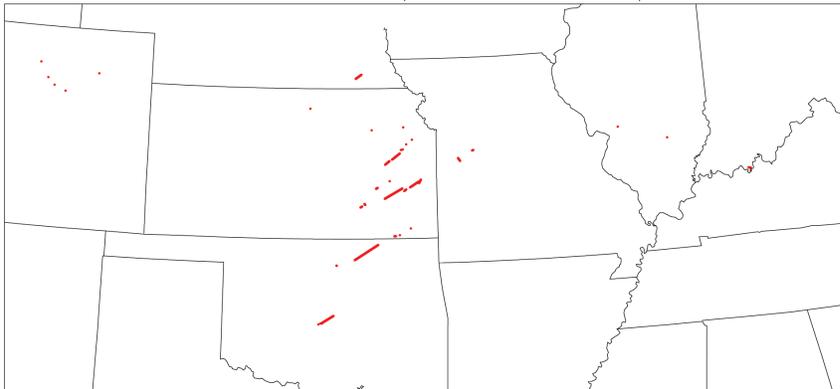


5-Day Forecast



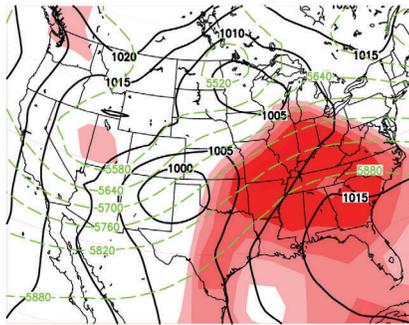
**FIG. SA11.** As in Fig. SA1, but for 0000 UTC 9 May 2003.

Tornadoes 1200 UTC 08 May 2003 – 1200 UTC 09 May 2003

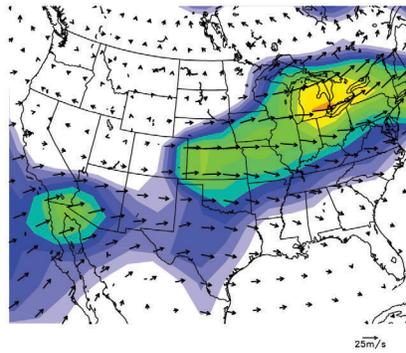


**FIG. SA12.** Tornado reports from 1200 UTC 8 May 2003 to 1200 UTC 9 May 2003.

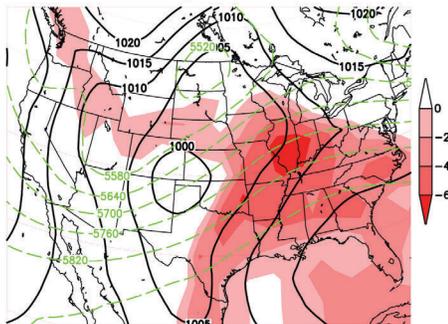
May 10, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



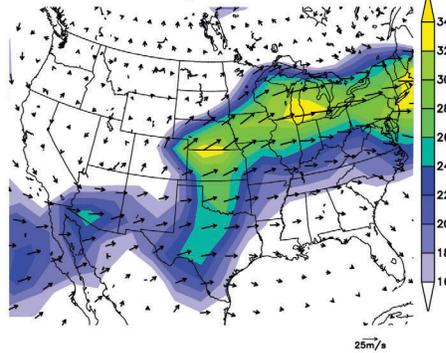
May 10, 2003 0000 UTC  
Sfc-500 Wind Shear



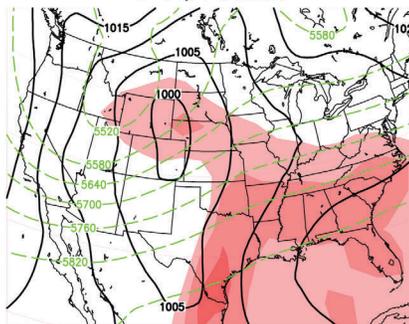
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

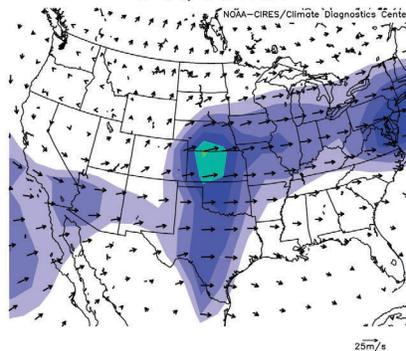


FIG. SAI3. As in Fig. SAI, but for 0000 UTC 10 May 2003.

Tornadoes 1200 UTC 09 May 2003 - 1200 UTC 10 May 2003

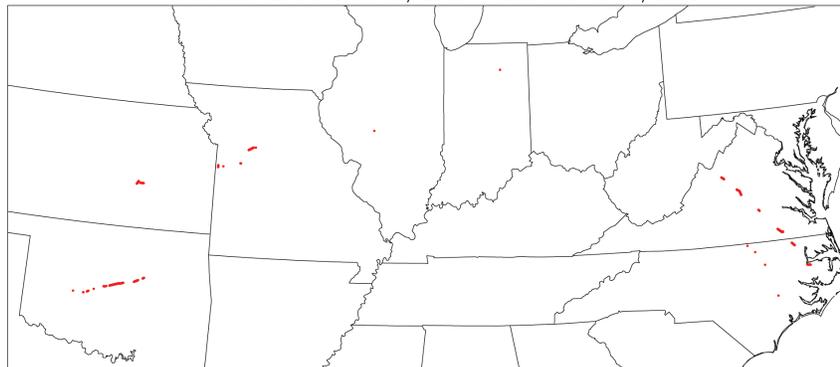
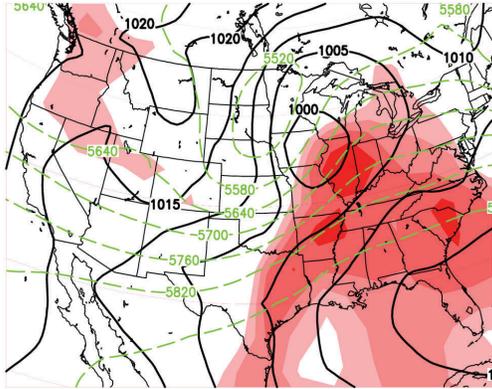
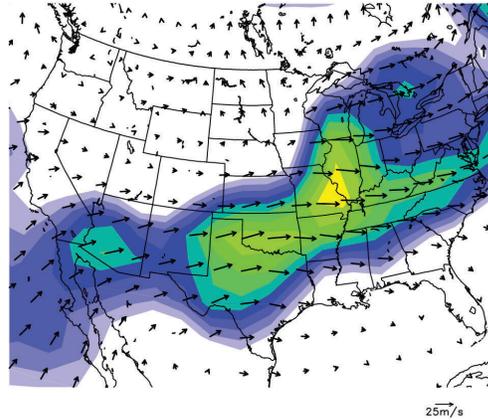


FIG. SAI4. Tornado reports from 1200 UTC 9 May 2003 to 1200 UTC 10 May 2003.

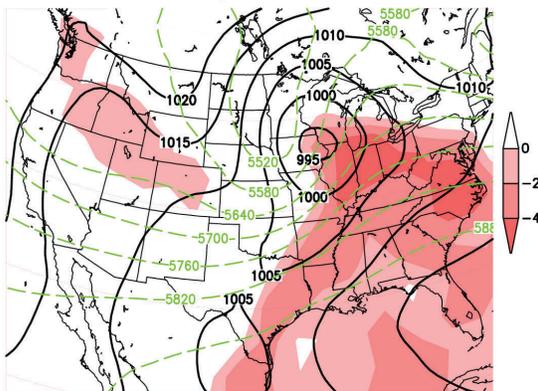
May 11, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



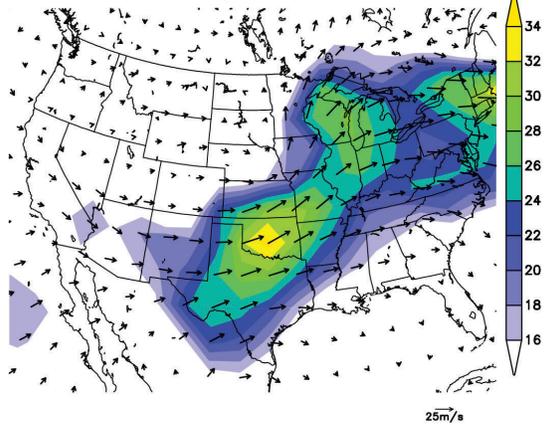
May 11, 2003 0000 UTC  
Sfc-500 Wind Shear



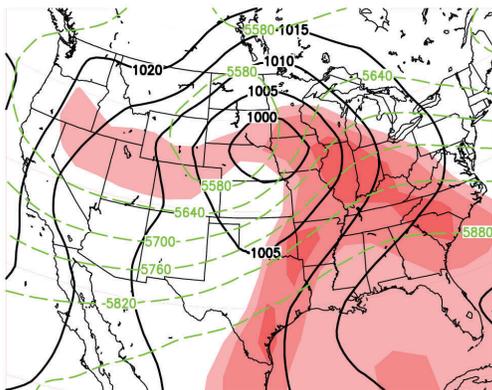
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

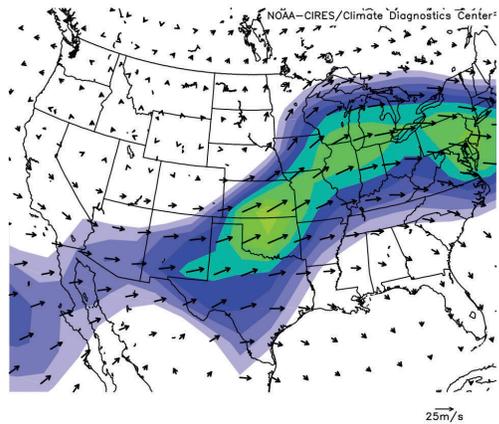
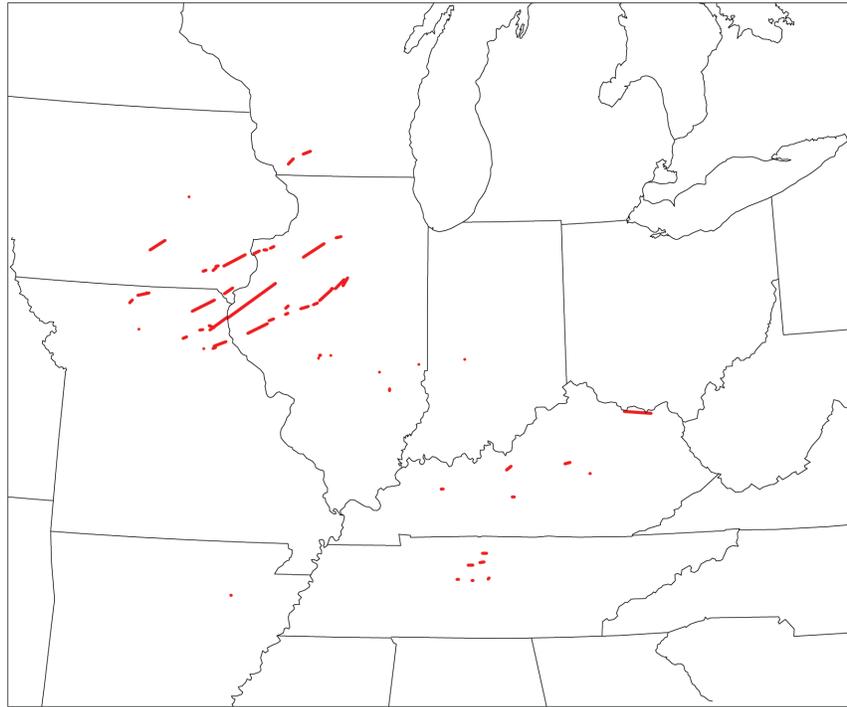


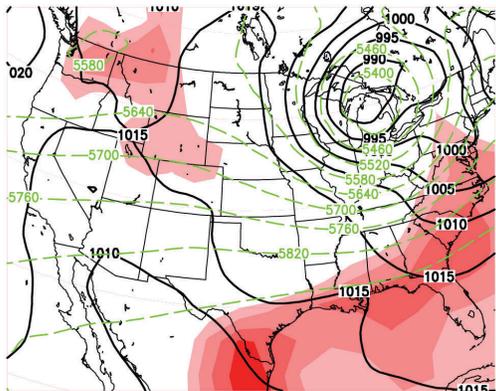
Fig. SA15. As in Fig. SA1, but for 0000 UTC 11 May 2003.

Tornadoes 1200 UTC 10 May 2003 – 1200 UTC 11 May 2003

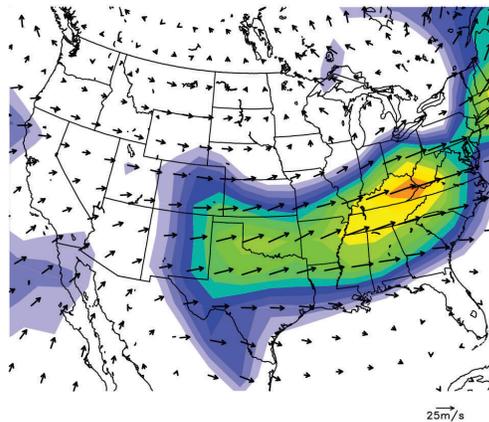


**FIG. SA16. Tornado reports from 1200 UTC 10 May 2003 to 1200 UTC 11 May 2003.**

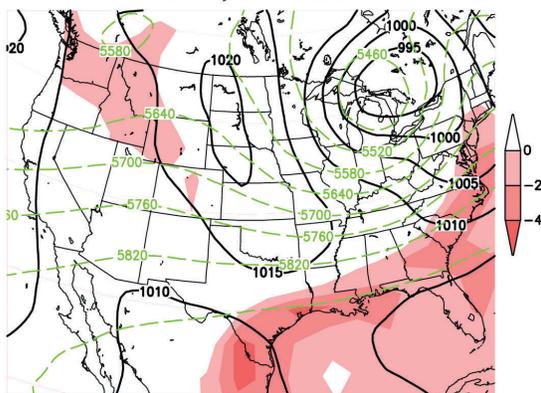
May 12, 2003 0000 UTC  
Sea Level Pressure, 500 Height, Lifted Index



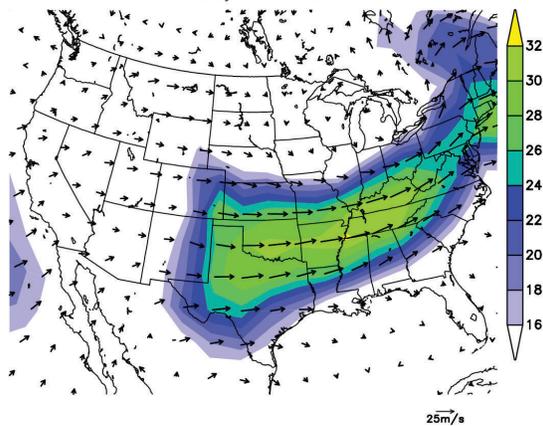
May 12, 2003 0000 UTC  
Sfc-500 Wind Shear



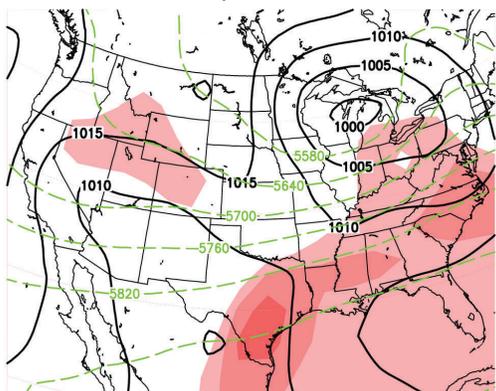
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

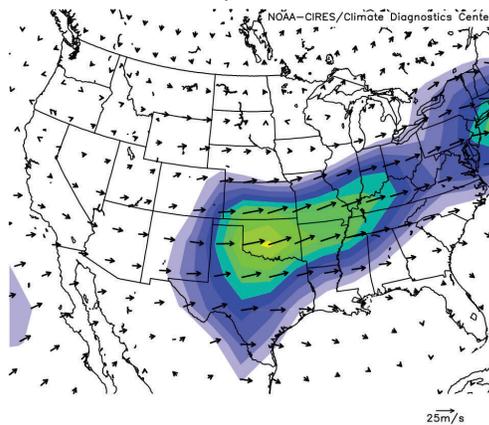


Fig. SA17. As in Fig. SA1, but for 0000 UTC 12 May 2003.

Tornadoes  
1200 UTC 11 May 2003 – 1200 UTC 12 May 2003



**FIG. SA18. Tornado reports from 1200 UTC 11 May 2003 to 1200 UTC 12 May 2003.**